

LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An information processing apparatus, comprising:

compression means for combining and compressing a plurality of ~~data~~ individual programs that each include a same instruction set to output compressed program data;

first generation means for generating and outputting first auxiliary data ~~about said plurality of data~~ including a total number of individual programs combined and compressed by the compression means and a size of each individual program combined and compressed by the compression means; and

encryption means operatively connected with the compression means and the first generation means for encrypting said compressed program data ~~compressed by~~ received from said compression means together with said first auxiliary data ~~generated by~~ received from said first generation means to ~~obtain~~ output encrypted data.

Claims 2 and 3 (Canceled).

4. (Currently Amended) The information processing apparatus according to claim 1, further comprising:

second generation means for generating second auxiliary data ~~about~~ indicating a size of said compressed program data; and

storage means operatively connected with the encryption means and the second generation means for storing said encrypted data received from the encryption means and said second auxiliary data ~~generated by~~ received from said second generation means.

Claim 5 (canceled).

6. (Currently Amended) An information processing method comprising:

~~a compression step of~~ combining and compressing a plurality of individual programs
that each include a same instruction set to form compressed program data:

~~a generation step of~~ generating first auxiliary data ~~about said plurality of data~~
including a total number of individual programs that have been combined and compressed
and a size of each individual combined and compressed program; and

~~a step of~~ encrypting said data compressed data in said compression step together with
said first auxiliary data ~~generated in said generation step~~ to form encrypted data.

7. (Currently Amended) An information processing apparatus, comprising:

decryption means for decrypting encrypted data including a plurality of encrypted
combined and compressed individual programs that each include a same instruction set and
encrypted first auxiliary data indicating a total number of the individual programs that were
combined and compressed and a size of each of the combined and compressed individual
programs to output decrypted restore compressed program data[[,]]~~in which a plurality of~~
~~data are combined and compressed~~[[,]] and decrypted auxiliary data ~~about said plurality of~~
data indicating the total number of combined and compressed individual programs and the
size of each of the combined and compressed individual programs; and

decompression means operatively connected to the decryption means for receiving the
decrypted compressed program data and for decompressing said decrypted compressed
program data to output decompressed and combined individual programs;

creation means operatively connected to the decryption means for receiving the decrypted first auxiliary data and for creating a management table about locations of individual ones of said plurality of individual programs based on said decrypted first auxiliary data; and

memory means operatively connected to receive the decompressed and combined individual programs from the decompression means and to receive the management table from the creation means and for storing the decompressed and combined individual programs and said management table.

Claims 8-10 (Canceled).

11. (Currently Amended) An information processing method, comprising:

~~a decryption step of~~ decrypting encrypted data including a plurality of encrypted combined and compressed individual programs that each include a same instruction set and encrypted first auxiliary data indicating a total number of combined and compressed individual programs and a size of each of the combined and compressed individual programs to output decrypted compressed program data including the plurality of combined and restore compressed individual programs data, in which a plurality of data are combined and compressed; and decrypted first auxiliary data about said plurality of data indicating the total number of combined and compressed individual programs and the size of each of the combined and compressed individual programs; and

~~a decompression step of~~ decompressing said decrypted compressed program data to output decompressed and combined individual programs;

creating a management table about locations of individual ones of said plurality of individual programs based on said decrypted first auxiliary data; and
storing the decompressed and combined individual programs and said management table.

12. (Currently Amended) An information processing apparatus, comprising:

compression means for combining and compressing a plurality of data individual programs that each include a same instruction set to output compressed program data;

first generation means for generating and outputting first auxiliary data about said plurality of data including a total number of individual programs combined and compressed by the compression means and a size of each individual program combined and compressed by the compression means;

encryption means operatively connected to the compressing means and the first generation means for encrypting said compressed program data compressed by received from said compression means together with said first auxiliary data generated by received from said first generation means to form encrypted data;

second generation means for generating second auxiliary data ~~about~~ indicating a size of said compressed program data;

storage means operatively connected to the encryption means and the second generation means for storing said encrypted data received from said encryption means and said second auxiliary data received from said second generation means;

decryption means operatively connected with the storage means for decrypting said encrypted data stored in said storage means to restore said compressed program data and said first auxiliary data;

decompression means operatively connected with the decryption means for decompressing said restored compressed program data received from said decryption means and outputting said decompressed program data as said plurality of combined individual programs;

selection means operatively connected with the decompression means for selecting a predetermined ~~data~~ one of the plurality of combined individual programs from said plurality of combined individual programs received as said decompressed program data from ~~decompressed by~~ said decompression means; and

execution means for receiving and executing said predetermined ~~data~~ one of the plurality of combined individual programs ~~selected by said selection means~~.

13. (Currently Amended) The information processing apparatus according to claim 12, further comprising:

creation means for creating a management table about locations of said plurality of ~~data~~ combined individual programs based on said second auxiliary data; and

memory means operatively connected to the decompression means and the creation means for storing said plurality of ~~data~~ of combined individual programs ~~decompressed by~~ received from said decompression means and said management table ~~created by~~ received from said creation means.

14. (Currently Amended) The information processing apparatus according to claim 13, wherein said execution means executes processing of said predetermined ~~data~~ one of the plurality of combined individual programs based on said management table stored in said memory means.

15. (Currently Amended) The information processing apparatus according to claim 12, further comprising communication means operatively connected to the decryption means and the decompression means for instructing the initiation of a decryption process by said decryption means and a decompression process by said decompression means, and for notifying the termination of said decryption and decompression processes.

Claims 16 and 17 (Canceled).

18. (Currently Amended) An information processing method comprising:
~~a compression step of combining and compressing a plurality of data~~ individual
programs that each contain a same instruction set to output compressed program data;
~~a first generation step of generating first auxiliary data about said plurality of data~~
including a total number of individual programs that have been combined and compressed
and a size of each combined and compressed individual program;
~~an encryption step of encrypting said compressed program data compressed in said~~
~~compression step together with said first auxiliary data generated in said first generation step~~
to form encrypted data;
~~a second generation step of generating second auxiliary data about~~ indicating a size of
said compressed program data;
~~a storage step of storing said encrypted data and said second auxiliary data~~ in a data
store;
~~a decryption step of~~ accessing said encrypted data from said data store and decrypting
said accessed encrypted data stored in said storage step to restore said compressed program
data and said first auxiliary data;

~~a decompression step of decompressing said restored compressed program data and~~
outputting decompressed program data as said plurality of combined individual programs;

~~a selection step of selecting a predetermined data one of the plurality of combined~~
individual programs from said plurality of combined individual programs forming said
decompressed program data decompressed in said decompression step; and

~~an execution step of executing said predetermined data one of the plurality of~~
combined individual programs selected in said selection step.

19. (New) The information processing method according to claim 6, further
comprising:

generating second auxiliary data indicating a size of said compressed program data;
and

storing said encrypted data and said second auxiliary data.

20. (New) The information processing apparatus according to claim 18, further
comprising:

creating a management table about locations of said plurality of combined individual
programs based on said second auxiliary data; and

storing said plurality of said combined individual programs and said management
table in a data store.